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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/087,217

DATE: 03/19/2002

TIME: 14:16:13

#2

192

336

384

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\031920

- 3 <110> APPLICANT: Aptus Genomics, Inc.
- 4 YAO, Yong
- 5 CAO, Liang
- 7 <120> TITLE OF INVENTION: Novel Cell-Based Assays for G-Protein-Coupled Receptor-Mediated
 - 8 Activities
 - 10 <130> FILE REFERENCE: 53735-5004-US
- C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/087,217
- C--> 12 <141> CURRENT FILING DATE: 2002-03-04
 - 12 <150> PRIOR APPLICATION NUMBER: 60/330,663
 - 13 <151> PRIOR FILING DATE: 2001-10-26
 - 15 <160> NUMBER OF SEQ ID NOS: 8
 - 17 <170> SOFTWARE: PatentIn version 3.1
 - 19 <210> SEQ ID NO: 1
 - 20 <211> LENGTH: 1995
 - 21 <212> TYPE: DNA
 - 22 <213> ORGANISM: Rattus norvegicus
 - 24 <220> FEATURE:
 - 25 <221> NAME/KEY: CDS
 - 26 <222> LOCATION: (1)..(1992)
 - 27 <223> OTHER INFORMATION:
 - 30 <400> SEQUENCE: 1

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 - 44 Ser Pro Glu Leu Gln Arg Leu Ala Glu Met Asp Thr Pro Arg Arg Gly
 45 50 55 60
 - 47 agg ggt ggc ttc caa agg att gtt cgc ctg gtg ggg gtc atc agg gac 240 48 Arg Gly Gly Phe Gln Arg Ile Val Arg Leu Val Gly Val Ile Arg Asp
 - 49 65 70 75 80
 - 51 tgg gcc aac aag aat ttc cgt gaa gag gaa cca agg cct gac tcc ttc 288
 52 Trp Ala Asn Lys Asn Phe Arg Glu Glu Pro Arg Pro Asp Ser Phe
 - 53 85 90 95
 - 55 cta gag cgt ttc cgt ggg cca gaa ctc cag act gtg aca acc cat cag 56 Leu Glu Arg Phe Arg Gly Pro Glu Leu Gln Thr Val Thr Thr His Gln
 - 57 100 105 110 59 ggg gat gac aaa ggc ggc aag gac ggc gag gga aag ggc acc aaa aag

Input Set : A:\PTO.VSK.txt

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64	Lys	Phe	Glu	Leu	Phe	Val	Leu	Asp	Pro	Ala	Gly	Asp	Trp	Tyr	Tyr	Arg	
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68	Trp	Leu	Phe	Val	Ile	Ala	Met	Pro	Val	Leu	Tyr	Asn	Trp	Cys	Leu	Leu	
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		acc	aσa	gcc	tac	ttc	agt	gat	cta	caq	aga	aac	tat	ttt	ata	qta	528
				Ala													
73	· uı		*** 9		165	- 110	001			170	5		-1-		175		
	+~~	ata	a+ a	ctg		t 2.0	++~	+ < 2	a a c		ata	tat	atc	aca		ctc	576
	Trp	ьeu	vaı	Leu	ASP	TAL	Pne	ser		TIIL	vaı	TAT	116		ASP	Leu	
77				180					185					190			624
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81			195					200					205				
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88	Leu	Asp	Val	Ala	Ser	Ile	Ile	Pro	Thr	Asp	Leu	Ile	Tyr	Phe	Ala	Val	
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97	5	1100		260			<u>-</u>	5	265			5		270			
-	220	atc	ttc	cga	atc	adc	aat	cta		ctt	tac	atc	ttα		atc	atc	864
																lle	
101		1 110	27		, 110	. 501	, ASI	280		. 100	/ -		285				
		. +~		_	+ ~+	++	+ - +			. a++	+ 4+					ttt	912
																	712
				n Ala	t Cys	TIE			val	. тте	s ser			r TT6	E GIY	Phe	
105		290					295					300					960
																ggc	960
			L As	p Thr	Trp			r Pro) Asr	ı IIE			Pro	o GIU	і туг	Gly	
	305					310					315					320	
																, acc	1008
112	? Туз	: Lei	ı Ala	a Arg	, Glu	Tyr	· Ile	e Tyr	Cys	Leu	т Туз	Tr	Se:	r Thi		Thr	
113					325					330					335		
115	5 cto	caco	cac	c att	gga:	gag	r aca	a cca	CCC	cct	: gta	aag	g gat	t gag	g gag	, tac	1056
116	Leι	ı Thi	r Th	r Ile	e Gly	Glu	ı Thi	r Pro	Pro	Pro	val	Lys	s As	o Glu	ı Glu	ı Tyr	
117	7			340)				345	5				350)		
119	cta	a tti	t gt	c ato	ttt:	gac	tto	ttg	r att	: ggt	gto	cto	c ato	c ttt	gcc	act	1104
																Thr	
121			35			_		360					36				
		ato	त्र वयः	a aat	gta	ggc	tc	ato	ato	tcc	aac	ato	g aat	t gcd	aca	ı cga	1152
																Arg	
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Input Set : A:\PTO.VSK.txt

125		270					275					380					
125		370	++-	~~~	~~~	225	375	~~+	~~+	~+~			+	a + «	a 2 a	++-	1200
			ttc														1200
		GIU	Phe	GTH	Ala		me	Asp	Ala	val		HIS	туг	мес	GIII	400	
129						390					395			.			1040
			gtc														1248
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			tgg														1296
	Tyr	Leu	${\tt Trp}$		Asn	Lys	Lys	Thr		Asp	Glu	Arg	Glu		Leu	Lys	
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			gaa														1440
148	Leu	Val	Glu	Leu	Val		Ŀys	Leu	Arg	Pro	Gln	Val	Phe	Ser	Pro	Gly	
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			att														1488
152	Asp	\mathtt{Tyr}	Ile	Cys	Arg	Lys	Gly	Asp	Ile	Gly	Lys	Glu	Met	\mathtt{Tyr}	Ile	Ile	
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172	Ala	Val	Thr	Glu	\mathtt{Tyr}	Pro	Asp	Ala	Lys	Lys	Val	Leu	Glu	Glu	Arg	Gly	
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			atc														1776
			Ile											Glu	Val	Ala	
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			atg														1824
180	Ala	Ser	Met	Glu	Val	Asp	Val	Gln	Glu	Lys	Leu	Glu	.Gln	Leu	Glu	Thr	
181			595					600					605				
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184	Asn	Met	Asp	Thr	Leu	Tyr	Thr	Arg	Phe	Ala	Arg	Leu	Leu	Ala	Glu	Tyr	
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188	Thr	Gly	Ala	Gln	Gln	Lys	Leu	Lys	Gln	Arg	Ile	Thr	Val	Leu	Glu	Thr	
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Input Set : A:\PTO.VSK.txt

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	Thr																
197				660													
	<210)	70 TI		. 2												
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					Dati				. ~								
	<213					Lus I	IOT A	=9100	15							-	
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		мес	THE	GIU	_	ser	ASII	GIĀ	Val		ser	ser	PIO	Ala		ASII	
208		_		•	5	_	_		~,	10		_	a 3	-	15	•	
	His	Asn	Hls		Pro	Pro	Pro	Ser	Ile	ьуs	Ата	Asn	GTĀ		Asp	Asp	
212		_	_ =	20	_	_	_		25	-			_	30	_	_,	
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247	Val	Ala	Arg	Ala	Cys	Phe	Ser	Asp	Leu	Gln	Arg	Asn	Tyr	Phe	Val	Val	
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Input Set : A:\PTO.VSK.txt

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291 Leu Thr Thr Ile Gly Glu Thr Pro Pro Pro Val Lys Asp Glu Glu Tyr
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295 Leu Phe Val Ile Phe Asp Phe Leu Ile Gly Val Leu Ile Phe Ala Thr
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299 Ile Val Gly Asn Val Gly Ser Met Ile Ser Asn Met Asn Ala Thr Arg
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303 Ala Glu Phe Gln Ala Lys Ile Asp Ala Val Lys His Tyr Met Gln Phe
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307 Arg Lys Val Ser Lys Asp Met Glu Ala Lys Val Ile Lys Trp Phe Asp
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311 Tyr Leu Trp Thr Asn Lys Lys Thr Val Asp Glu Arg Glu Val Leu Lys
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327 Asp Tyr Ile Cys Arg Lys Gly Asp Ile Gly Lys Glu Met Tyr Ile Ile
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335 Ala Leu Leu Ser Ala Gly Ser Cys Phe Gly Glu Ile Ser Ile Leu Asn
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355 Ala Ser Met Glu Val Asp Val Gln Glu Lys Leu Glu Gln Leu Glu Thr
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       610
363 Thr Gly Ala Gln Gln Lys Leu Lys Gln Arg Ile Thr Val Leu Glu Thr
364 625
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375 <210> SEQ ID NO: 3
376 <211> LENGTH: 1995
377 <212> TYPE: DNA
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VERIFICATION SUMMARY

DATE: 03/19/2002

PATENT APPLICATION: US/10/087,217

TIME: 14:16:14

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03192002\J087217.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date